

COMPLETE LISTING OF AMENDED CLAIMS

1. (previously presented) An isolated DNA sequence encoding barley HPPD.
2. (currently amended) An expression cassette comprising a promoter and the DNA sequence ~~as claimed in~~ of claim 1.
3. (currently amended) ~~An~~ The expression cassette ~~as claimed in~~ of claim 2, comprising a CaMV 35S promoter.
4. (currently amended) ~~An~~ The expression cassette ~~as claimed in~~ of claim 2, comprising a seed-specific phaseolin promoter.
5. (currently amended) ~~An~~ The expression cassette ~~as claimed in~~ of claim 2, ~~further comprising the DNA sequence as claimed in claim 1 being~~ wherein a *Hordeum vulgare* DNA encoding for a HPPD is functionally linked to another protein in such a way that a joint translation product is formed.
6. (previously presented) A process for transforming plants comprising the step of incorporating into plants the expression cassette as claimed in claim 2.
7. (previously presented) A method of transforming plants comprising the step of incorporating into plants the expression cassette as claimed in claim 2 into a plant cell, into callus tissue, into an entire plant or into plant cell protoplasts.
8. (currently amended) A method of transforming ~~plants~~ a plant, which comprises
 - 1) a) transferring the expression cassette ~~as claimed in~~ of claim 2 into ~~an agrobacterial strain~~ a strain of *Agrobacterium* cells,
 - 2) ~~isolating the recombinant clones formed~~, and
 - 3) b) transforming ~~a~~ the plant with the ~~isolated recombinant clones~~ *Agrobacterium* cells obtained in a).

9. (previously presented) The method as claimed in claim 8, the transformation being accomplished with the aid of the strain *Agrobacterium tumefaciens*.
10. (previously presented) The method of transforming plants as claimed in claim 7, wherein the transformation is accomplished with the aid of electroporation.
11. (previously presented) The method of transforming plants as claimed in claim 7, wherein the transformation is accomplished with the aid of the particle bombardment method.
12. (previously presented) A plant with an elevated vitamin E content, comprising the expression cassette as claimed in claim 2.
13. (previously presented) The plant as claimed in claim 12, selected from the group consisting of soya, barley, oat, wheat, oilseed rape, maize, and sunflower.
14. (previously presented) A method of generating plants with an elevated vitamin E content, which comprises expressing, in plants, the DNA sequence as claimed in claim 1.
- 15-24. (canceled)
25. (currently amended) ~~An~~ The isolated DNA sequence ~~as claimed in~~ of claim 1, comprising the sequence of SEQ ID NO: 1.